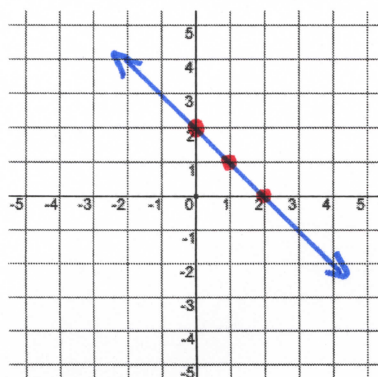


5.3 day 8 Worksheet (5D)

Find the missing values from the table ("plug and chug"). Then **graph** the line.

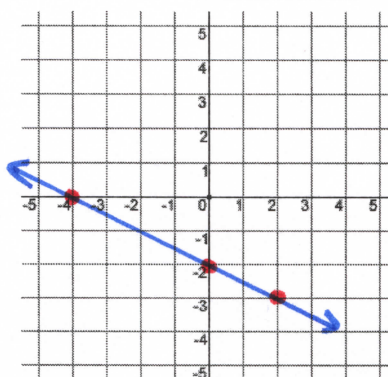
1) $x + y = 2$

x	y
0	2
2	0
1	1



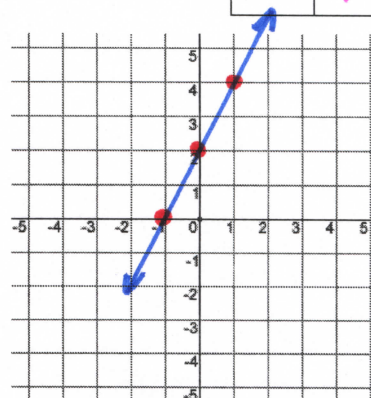
2) $x + 2y = -4$

x	y
0	-2
-4	0
2	-3



3) $6x - 3y = -6$

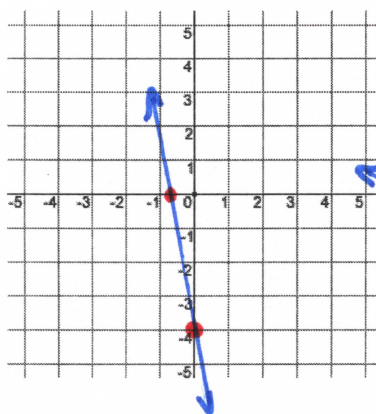
x	y
0	2
-1	0
1	4



Find the x and y-intercept for each equation. Then graph the line.

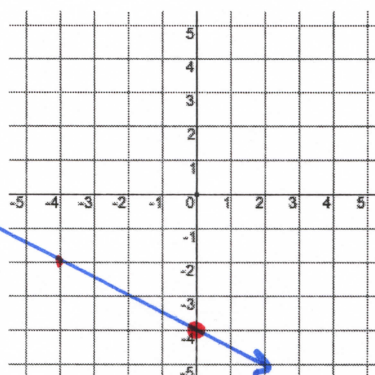
4.) $y + 4 = -6x$

x-int = $(-\frac{2}{3}, 0)$ y-int = $(0, -4)$



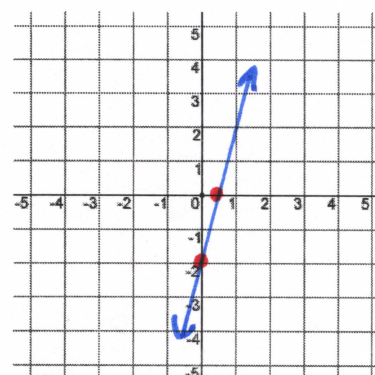
5.) $y + \frac{1}{2}x = -4$

x-int = $(-8, 0)$ y-int = $(0, -4)$

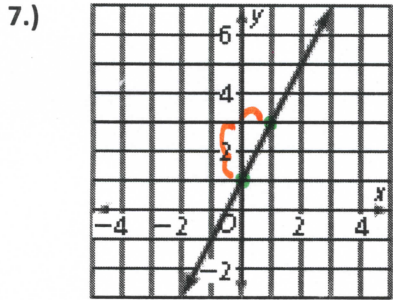


6.) $3y - 12x + 6 = 0$

x-int = $(\frac{1}{2}, 0)$ y-int = $(0, -2)$

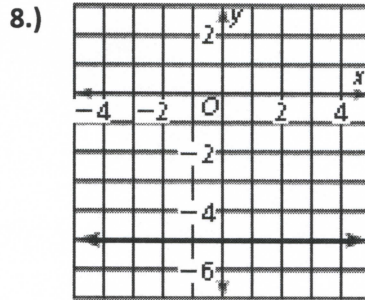


Write an equation in slope-intercept form of each line.



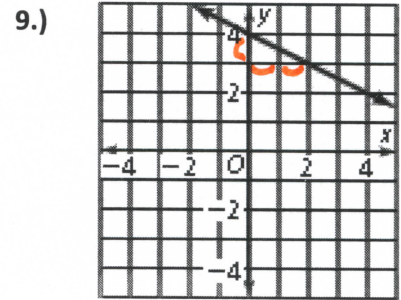
$$m = \frac{2}{1} = 2 \quad b = 1$$

$$y = 2x + 1$$



$$m = 0 \quad b = -5$$

$$y = -5$$



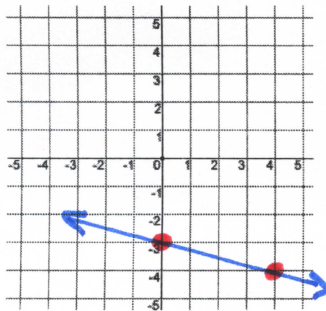
$$m = -\frac{1}{2} \quad b = 4$$

$$y = -\frac{1}{2}x + 4$$

State the slope and y-intercept for each equation. Then graph the line.

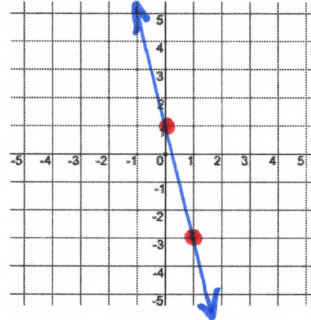
10.) $y = -\frac{1}{4}x - 3$

$$m = -\frac{1}{4} \quad b = -3$$



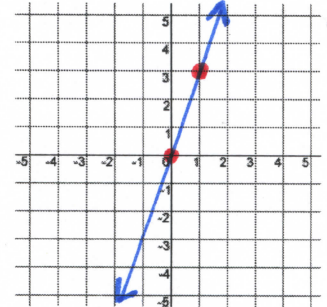
11.) $y = -\frac{4}{1}x + 1$

$$m = -4 \quad b = 1$$



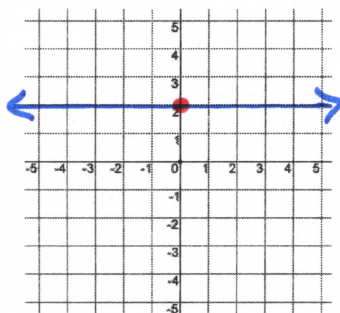
12.) $y = 3x$

$$m = 3 \quad b = 0$$



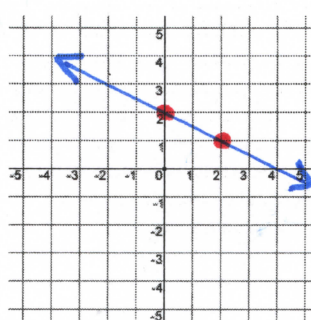
13.) $y = 2$

$$m = 0 \quad b = 2$$



14.) $y = -\frac{1}{2}x + 2$

$$m = -\frac{1}{2} \quad b = 2$$



15.) $x = 4$

$$m = \text{UNDEF} \quad b = \text{NONE}$$

